MG-S316LS PREMIARC™

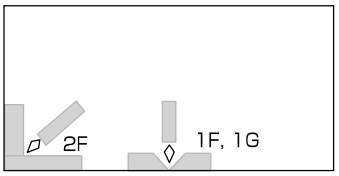
Solid wire

Features: ▪ Suitable for low carbon 18%Cr-12%Ni-2%Mo steel

Classification: AWS A5.9 ER316LSi

Shielding gas: Ar-2%O_2
Polarity: DCEP

Welding Positions:



Packaging data

ϕ mm	Spool	
1.0	10kg	-
1.2	10kg	20kg
Volume mm	240W, 110H, 240L	285W, 110H, 285L

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.02	0.03
Si	0.79	0.65~1.00
Mn	2.0	1.0~2.5
P	0.02	0.03
S	<0.01	0.03
Ni	12.2	11.0~14.0
Cr	19.3	18.0~20.0
Mo	2.4	2.0~3.0
Cu	0.12	0.75

Note: [a] Single values are maximum.

Welding parameters (A)

ϕ mm	1F, 1G, 2F
1.0	80~250
1.2	100~300

All-weld mechanical properties

	Typical
0.2%YS (MPa)	380
TS (MPa)	550
El on 4d (%)	41
IV -196℃ (J)	39